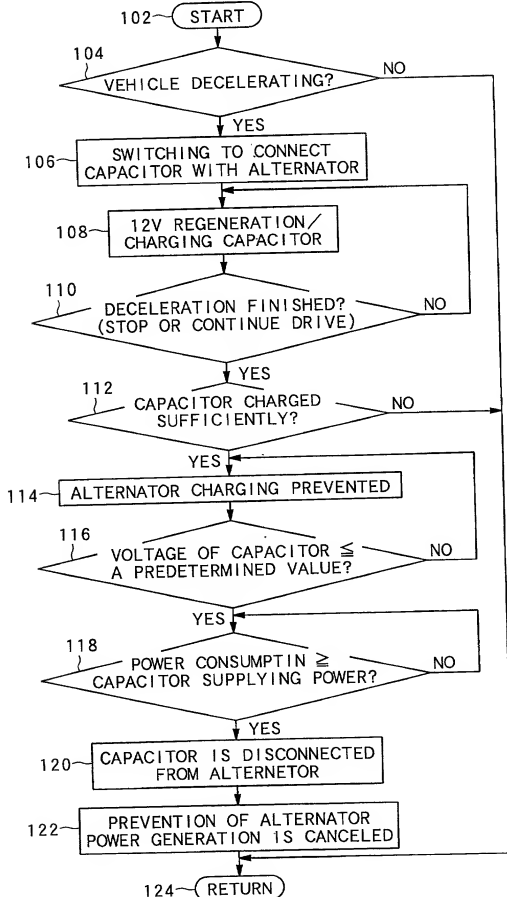


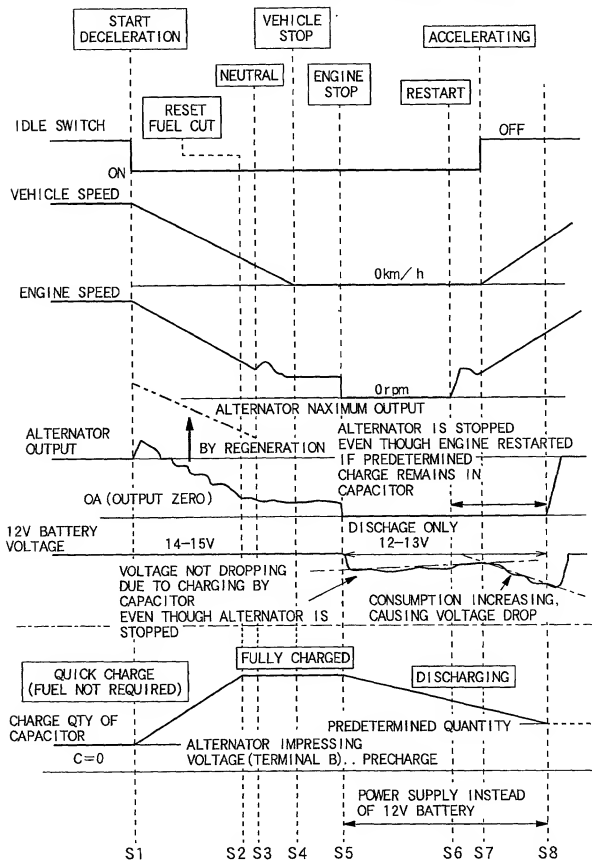
FIG.1



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FIG.2

OPERATION OF 12V REGENERATION AND CAPACITOR



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FIG. 3

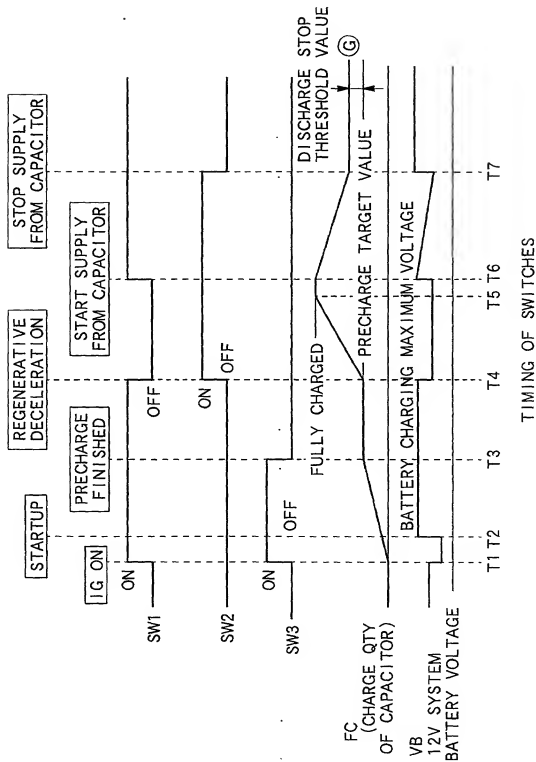


FIG.4

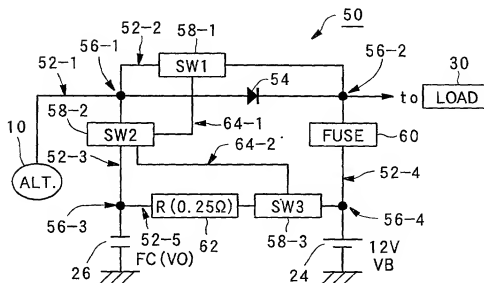


FIG.5

INTERLOCKS OF SW1, SW2, SW3

IF SW1: ON (OFF), THEN SW2: OFF (ON)

IF SW3: ON, THEN SW2: OFF

	SW1	SW2	SW3
IN PRECHARGING	ON	OFF	ON
IN NORMAL OPERATION	ON	OFF	OFF
IN REGENERATING OR WHEN POWER CAN BE SUPPLIED FROM CAPACITOR	OFF	ON	OFF

FIG. 6

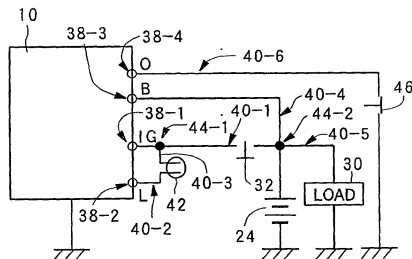


FIG. 7

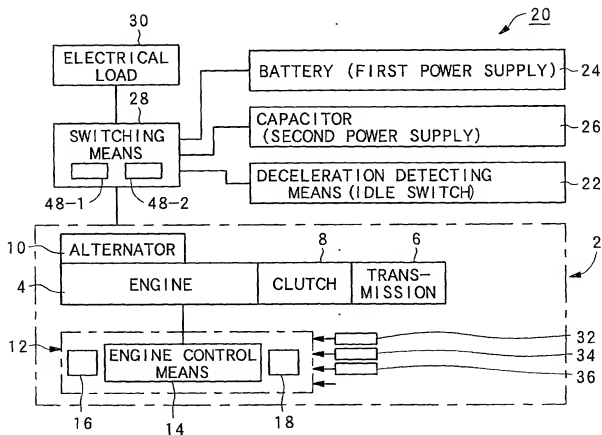


FIG.8

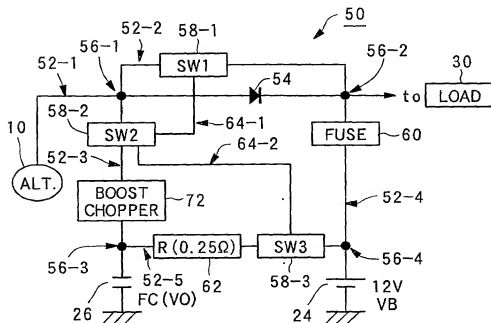


FIG.9

INTERLOCKS OF SW1, SW2, SW3

IF SW1:ON (OFF), THEN SW2:OFF (ON)

IF SW3:ON, THEN SW2:OFF

	SW1	SW2	SW3
IN PRECHARGING	ON	OFF	ON
IN NORMAL OPERATION	ON	OFF	OFF
IN REGENERATING OR WHEN POWER CAN BE SUPPLIED FROM CAPACITOR	OFF	ON	OFF

FIG.10

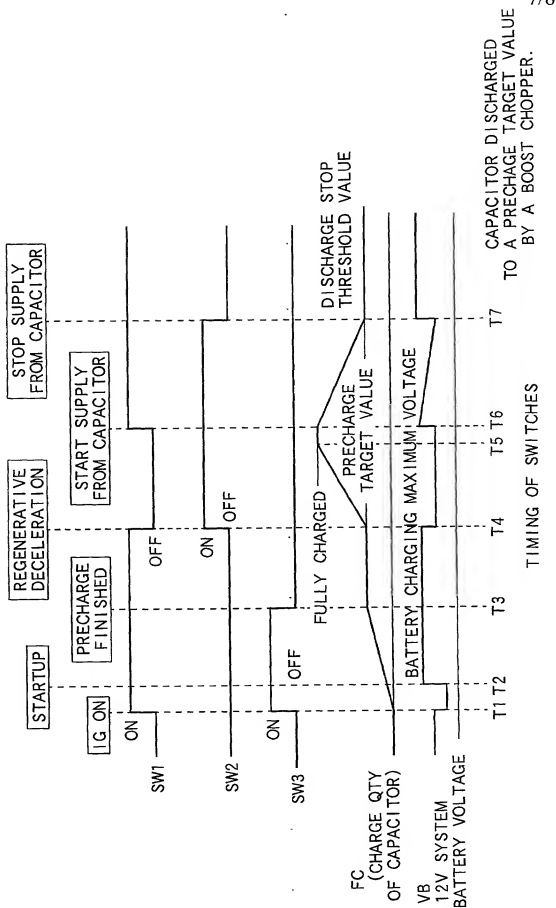


FIG.11

